TITUSVILLE AMATEUR RADIO CLUB

NEWSLETTER

MAY, 1998

OFFICERS

PRESIDENT: Bud Hughes K4CWG 269-0779 SECRETARY: Nancy Marsden KD4ITX 268-3990
V. PRESIDENT: Pike Abell W4EPU 269-4208 TREASURER: Clyde Lee K4EOS 267-9375

CLUB INFORMATION

TARC MEETINGS :	**Monthly on 4th Tuesday at 1900 hrs at Jaycee Building.**
TARC NETS:	**VIP - Thursdays at 1000 hrs on 146.910**
	FRIENDSHIP - Thursdays at 1830 hrs. ao146.910
	MOSQUITO - Wednesdays at 1900 hrs on 28.333
TARC REPEATERS:	**VHF - 146.910 and146.970. UHF 444.150**

PRESIDENT'S CORNER

By Bud Hughes K4CWG

For TARC the Field Day weekend is shaping up beautifully. We have volunteers for "Band Coordinators". This year Field Day preparations and operations will be somewhat like activities in years gone by. For example, the 10 Meter Band will have a coordinator who will be responsible for the transmitter, power supply, antenna, feed line, etc. as will be required for the 10 meter operation during Field Day. The coordinator for 10 meter operation is Chris, K4ZZZ. Another coordinator, John, KE4ZPA will be responsible for making sure the equipment set up for the 15 meter band is in place and operational. Danny, KE4OZD will be in charge of 50 Mhz and above. Chuck, KU4NR has taken on the task of furnishing emergency power for the communication equipment. Expedient Services will furnish the computers for logging purposes. The concept of individual band coordinators was proposed by Chris, K4ZZZ. The idea was discussed and agreed upon as the scheme for implementing Field Day operations 1998. I hope this approach will gain the approval of everyone. Your thoughts and ideas are solicited for making Field Day another enjoyable outing for this fine club. We are still looking for coordinators for the 80 meter, 40 meter and 20 meter bands. If you would like to take on the task of being a "band coordinator" let me know. We will assist you in every aspect. All bands will be available for use by the entire club. Assistance to the band coordinators will be available as needed.

Thanks to Pike, W4EPU for a job well done in putting together the crew who did a great job of supporting the annual Indian River Raft Race. At the raft race there was one boat captain who either due to uncharted shipping lanes or other reasons, got separated from his crew. Without a crew the captain was dock bound. To the rescue came these seasoned seamen from the TARC club. As a result of the skills of this crew and the sea-worthiness of it's captain, (see page 2)

HAPPY BIRTHDAY

MAY BIRTHDAYS

MAY 2 W9LSD DICK DUELL
MAY 6 KC4HMP BARBARA GOEBEL
MAY 10 N1PAW JOE BONARDI
MAY 13 AF4GN CHARLES SUMMERS
MAY 13 KE4LNS DON McLEAN
MAY 16 WD4EBA PAUL BERNHARDT
MAY 17 KF4JI CARL CHRISTIAN
MAY 19 KC4WZA JANET VAN ALSTINE
MAY 20 K3TNT GEORGE FISCHER
MAY 21 KE4HOD HOWARD ENGLAND
MAY 22 KF4CDK WILLIAM BLUM
MAY 22 WA4BWE TOM RUDGE
MAY 23 KE4MXJ PEDRO LORENZI
MAY 24 WA3EKM BRUCE JACOBS
MAY 24 K4JYX JOHN ADAMS
MAY 25 KE4BBJ CHARLIE PROSSER
MAY 26 KE4BBP BUBBA STITT
MAY 30 KE4BBM NICHOLAS SARGENTI

PRESIDENT....from page 1
this vessel sailed on to win the coveted trophy of their class. This crew consisted of mates Don, KF4VRR and Mike, KF4QIP. The captain let Bud sit in one of the control positions to help deflect the raging sea waters off the productive sailors.

Many thanks to those who provided communications and encouragement to the Across Florida Bicycle riders this past Sunday. This team, lead by Ozzie, N4SCY included Pat KF4LTY, Sherry KF4HTC, John KE4ZPA and David KB0YSO. It was fun to see so many bike riders go whizzing by the outposts. I did not get the names of all club participants. For those that I failed to list, thanks so much for your participation.

As beautiful weather returns to the north, we bid bon voyage to the many friends who journey back to be with their loved ones. We await your return, and wish you and yours the very best.

See you at our next club meeting on May 26. Bring a friend.

IS WIRELESS BECOMING OBSOLETE?

From Cyberskip Digest 4/98

If you're speaking about amateur radio, one might get into a lively debate. If you're talking about wireless in the context of signals from space, wireless radio is about to explode onto the scene in gigantic proportions that will make music and news available to the most remote locations on the planet. For example, the CEO of WorldSpace Corporation Noah Samara announced that his company "will bring the 'Information Revolution' to the entire African continent in launching its digital global audio system."

In November 1997, Financial Times announced "By June 1999 around 4.6 billion people worldwide could have access to digital audio programs broadcast by satellite."

According to a press release from WorldSpace, the company will have three satellites in orbit, with the first - AfriStar - to be launched in late 1998, and AsiaStar and AmeriStar to follow in early and mid 1999, respectively. This unique global service will transmit CD quality information, education and entertainment programming to a service area that includes approximately 4.6 billion people. Arrangements are also underway for Snickelways Interactive, an electronic commerce solutions provider, to establish a corporate web site to

facilitate WorldSpace audio programming development efforts. The web site will enable manufacturers to sell radio receivers to distributors and retailers.

The satellites use a technique known as DAB which stands for Digital Audio Broadcasting. The analog sound is converted to digital and transmitted via the satellite in computer code. This allows near CD quality sound. Understandably, a digital radio is required but they are quite portable and require an antenna that is no larger than a credit card. The radios also allow additional services such as paging and email.

The digital radios which can be linked to computers, operate much like a television set in that one selects channels for the desired program or genre of programming. WorldSpace has already contracted with JVC, Sanyo and Hitachi to manufacture the radios that initially are expected to be in the range of $180.00. With the anticipated volume of sales of digital receivers, the manufacturers see the cost of receivers being substantially reduced. In rooting around for material, the writer noted that several other companies are active in developing digital radios.

The development of digital radio has experienced the same growing pains as anything in the new technological age. Like CD players and VCRs, there has been disagreement on the standards. The greatest impediment to digital radio has been the limits of AM and FM bandwidth, hence making AM and FM unsuitable for digital radio. But, many American broadcasters see digital radio as a threat to existing broadcasters seeing that digital radio operates in the L-band and requires special receivers. According to (DRRI), the Canadian government plan is to relocate their AM and FM stations to L-band.

On the other hand, American broadcasters fear that another radio band will drain valuable dollars away from the already troubled AM and FM bands. American designers are attempting to make digital radios work within the parameters and limitations of existing bandwidths and there is worldwide skepticism that American ingenuity can deliver on this one. It's the age-old joke of fitting 10 pounds of you know what into a 1 pound bag. There is a remarkable difference in the quality of sound of the L-band digital and the American in-band on-channel (IBOC) solution and it won't take consumers long to figure out they like the legitimate L-band digital radio with its capability for wide-band, noise free and impeccable quality audio reproduction. One of the major problems of the make-shift American system will be fading and multipath problems. According to one expert commentary the writer heard was that the problems would manifest themselves by either a signal or no signal situation. With a fading signal, the digital transmission would just plain drop out or putt-putt in and out.

For those of us with satellite dishes, the future of digital radio looks exciting. I look forward to 100s of channels of music and news and hopefully those uplinks that opt for subscriber service will take it easy. Preliminary indications are that $5.00 per month is a high rate that will become substantially lower as the elements of free-markets take over. If past experience is any indication, there will be scads of channels in the clear for a long time until they can afford the highly expensive ordeal of scrambling.

Se we can safely say that wireless radio is not becoming obsolete but a burgeoning new industry that promises to revolutionize radio as we know it. In my little trip reading tons of literature on the subject, it appears that America with its preoccupation with the almighty dollar is behind the curve on this one. Fortunately with the state of technology today, most people can circumvent the patchwork American IBOC system that will probably be thrust upon the public and spend the bucks for a system that has been tested, is working,

is about to be available and doesn't strike me as being prohibitively expensive.

But then, big brother could always step in and ban the reception of all but the transmissions of American systems. A similar situation exists in Canada where citizens are banned from owning receivers capable of receiving American satellite television programming. The scenario wouldn't surprise me one bit.

DC CURRENTS

By Steve Mansfield, N1MZA
From 5/98 QST

In a resounding 414 to 1 floor vote (with 15 abstentions) HR.2369, the Wireless Privacy Enhancement Act of 1998 passed the US House of Representatives in March and now awaits action in the Senate. The bill that passed the House included a report specifically addressing the unresolved concerns that the ARRL raised with House Telecommunications Subcommittee staff. The House had earlier passed HE.2460, the so-called "anti cloning" bill, by a similar margin.

When the Tauzin bill was first introduced, the ARRL feared that it unintentionally could have outlawed all out-of-band amateur operations including MARS and Civil Air Patrol, as well as some scanning and short wave listening. These fears, which were also voiced by scanner enthusiasts, volunteer fire departments and others, were addressed by the bill's sponsor, Representative Billy Tauzin (R-LA-3rd), when the bill was amended during markup (see DC Currents December 1997). However, we continued to be concerned that certain provisions in the bill could be interpreted as forbidding the modification of linear amplifiers for 10 and 12 meter operations, as well as forbidding the modification of transceivers for use with MARS and Civil Air Patrol frequencies.

In the days before the bill went to the floor, subcommittee staff worked with ARRL and with other involved parties to craft a committee report that would put our fears to rest. Committee reports are the official statement of "Congressional intent" on important legislation. The House voted on the bill and the report as a single package. The report said, in part:

"The Committee does not intend to prohibit amateurs from modifying linear amplifiers after purchase. As permitted by Commission rules, to allow the devices to operate in the amateur 12-meter and 10-meter bands. Nor does the Committee intend for Section 2(a) to prohibit amateurs from building or modifying one amplifier per year to enable this capacity...the Committee does not intend for Section 2 to be interpreted in a manner that would permit the Commission to take actions against an amateur operator who is operating within the terms of his or her license.
"Nor does the committee intend for Section 2(a) to be interpreted in a manner that would discourage manufacturers or dealers of amateur equipment from providing amateur licensees with information about permissible modifications of transceivers to enable them to transmit and receive on Military Affiliate Radio Service and the Civil Air Patrol, to the extent such transmission and reception is permissible under 18 U.S.C.2511(g) or other statutes. The Committee expects that the new regulations required under Section 2 will preserve the ability of amateurs to modify transceivers for the legitimate purposes discussed above."

The report also clarified other concerns raised by scanner enthusiasts, short wave listeners and manufacturers. The full text can be found on the net at: **ftp://ftp.loc.gov/pub/thomas/cp105/hr425.txt.**

Lest anyone doubt that members of Congress were trying to avoid inadvertently pounding on Amateur Radio as they hammered out this bill, consider the

following colloquy between Representative Cliff Stearns (R-FL-6th) and Representative Tauzin that appeared in the *Congressional Record:* "As my colleagues know, my home state of Florida is slightly susceptible to natural disasters" Stearns said, "and we are just now beginning to recover from the horrific tornado-driven storms from the past weekend. Without the aid of the amateur radio operators, Florida would suffer more during these disasters. The operators perform an invaluable service in helping coordinate disaster assistance." Stearns went on to thank his home state volunteers, as well as the members who helped with the bill. Tauzin responded,"...I wanted to take a minute to compliment the gentleman from Florida and his efforts at our subcommittee level indeed to make sure our bill did not interfere with the rights of...the amateur radio operators who do assist dramatically in times of natural disaster. My home state of Louisiana, as he knows, was visited by Andrew as his was just a few years ago. We have a desperate need for those services."
There is no word on what the Senate plans to do about this legislation.

As readers of this column will remember, when it was originally introduced, HE.2369 provoked an outcry from radio amateurs, scanner enthusiasts, the volunteer fire community and others. The catalyst had been a highly publicized 1996 cellular telephone eavesdropping case involving House Speaker Newt Gingrich (R-GA-6th), Majority Leader Dick Armey (R-TX-26th) and Republican Conference Chairman John Boehner (R-OH-8th). The three Republican leaders were discussing GOP campaign strategy when Boehner's cellular signal was taped by a Florida couple, and the contents of the tape were disclosed to the news media by Representative Jim McDermott (D-WA-7th) who was serving on the House Ethics Committee at the time. Boehner has since sued McDermott in US District Court for $30,000, unspecified punitive damages and court costs in the case. The Florida couple last year pleaded guilty to illegal interception of a cellular telephone call and paid $500 fines.

LETTER FROM TONY

Dear Whoever,

I enclose my check for $20.00 to renew my membership. I will be leaving back to NY by the first of next week. I have not been to your meetings for some time. Not because I did not wish to, but finishing up our home at 589 Lark Dr. has been in high gear. Now the new roof is on, the fire places are completed, the new floors are down, and when we get back in the fall, we will do the rugs and the furniture. By that time when I celebrate my 90th birthday on Jan. 29, 1999, I will be ready for the rocking chair, and at that time I will need at least my Novice license - something I have wanted since I built my first radio with the WD11 12 volt battery tube. That's a long time ago!
Looking forward to seeing all and a Novice test next fall. Toni Sini

There are four amateur radio operators in our family, and we have a couple of expensive handheld radios that can transmit and receive over great distances. One afternoon, my father-in-law and I devised a sure-fire way to make these radios help pay for themselves. We made identical shopping lists and set out for two different supermarkets. For every item on the list, we announced the price over the radio. Whoever found the lower price would put that item in his shopping cart. After finding five such bargains, I noticed two other shoppers following me through the store. They had caught on to what we were doing. Each time I put something in my cart, they'd pick up the same item and follow at a discreet distance, knowing they had gotten the best price in town.

(The above was copied from a 1995 Reader's Digest "Life in These United States"; and submitted by Clara Abell, KE4YQL)

ABELL'S ANECDOTES
By Pike W4EPU

You have all heard the expression "Touched by an Angel". This is about being "Touched by a whole flock of angels". Therefore, this is not really an anecdote. This is about the "Angels" who provide the food and beverages at every one of our TARC meetings. They are our Food Angels. Who are they? The key players are Sherry KF4HTC, Becky KF4HTB, Pat KF4LTY and Patty KF4MUV. There are also contributions by Sandra KE4TQZ, Nancy KD4ITX and many others. Other contributors know who you are. Please take due credit and forgive me for not naming everyone.

Just to review what is involved with the catering operation, in the days just prior to the meeting Sherry, the leader and prime mover, the "archangel" goes shopping and purchases the staple items. i.e. coffee, tea, canned soft drinks, paper products, cookie makings, brownie makings, etc. needed for serving at the upcoming meeting. She takes the stuff home and prepares it, always slipping in something extra - that delicious divinity fudge, for example.

Becky, taking advantage of her access to fruit and vegetables available at the flea market, sometimes purchases those items, thus saving money and relieving Sherry of that chore. Also, Becky is the maker of those delicious finger sandwiches that are always in abundance.

In the meantime Patty is busy shopping for the ingredients and making that delicious white coconut cake that we always look forward to finding on the food table; while Pat makes that scrumptious congealed, or gelatin based dessert. (I can never figure out whether it is salad or dessert.) Pat is also the creator of those fine deviled eggs and muffins. Periodically Sandra and/or Nancy or someone else shows up with a surprise delicacy.

Everyone delivers their creations on meeting nights early enough to lay out the foods, make the coffee and ice down the drinks and have it ready for serving without hardly being noticed. (I should note that some of the guys come early and help move the ingredients from the vehicles to the kitchen, but this is not about them - this is about our angels.)

Obviously, after the meetings are over, the kitchen has to be cleaned up, the equipment including the leftovers has to be packed up and returned to the respective homes. Some of the non perishable items; coffee, soft drinks, paper products, etc., are stored at Sherry's house and saved for the following meetings.

One may logically assume that the food is paid for by the contributions placed in the jar on the food table. Wrong! Most of the food is donated. By whom? The angels, of course. Most of the money in the jar is saved and used to pay for main dish items, beverages and decorations at our September covered dish meeting and our Christmas party.

So there you have it. On behalf of all members of the Titusville Amateur Radio Club and all of our welcome visitors who partake of these delicious snacks, here is a great big "attagirl" to our food angels. We all love you. 88s es 88s

TREASURER'S REPORT
By Clyde Lee, K4EOS

Balance Forward From 1997	$5356.73
Deposits Year to Date	2056.43
TOTAL INCOME	**7413.16**
Expenditures	1313.34
BALANCE AS AT 04/30/98	**6099.82**
FEMA Escrow	2363.75
BALANCE-CLUB FUNDS	**$3736.07**

APRIL MEETING
By Nancy KD4ITX

The monthly meeting was called to order at 1912 hours by K4CWG, Bud Hughes. There were 47 members and guests present. All introduced themselves.

A motion was made, seconded and carried to accept the following new members into the club. WA2BX Carl Beam; KB9LUW Ernest Johnson, KB9LUV Sylvia Johnson.

Les Griner, K4SJC gave an update on how Jack, W4AVP was doing in the hospital. A get well card was signed by everyone and will be sent to Jack. We hope he gets better real soon.

Pike, W4EPU announced that the Titusville Indian River Festival raft race communications went well. All who helped out with communications had lots of fun. Volunteers are needed to help with communications for the Annual Cross Country Bicycle Ride that takes place on May 3. If you can help please contact Pike.

Pike introduced guests William Sapp and Bob Pedersen from Geotek Communications. They talked about how the wireless data and voice communications system works.

Bill, W2SDB played Happy Birthday for all the April birthdays. The members also enjoyed several other songs by Bill.

The next Fox Hunt will be held on May 23, at 8 pm in Daytona. Meet behind Sears.

Bud, K4CWG updated us on how Field Day plans are coming along. Field Day is June 27, 1998 out at Fox Lake Park.

The meeting adjourned at 2050 hours.

A SHORT COURSE IN HUMAN RELATIONS
From Bits & Pieces

The six most important words: *"I admit I made a mistake."*
The five most important words: *"You did a good job."*
The four most important words: *"What is your opinion?"*
The three most important words: *"If you please."*
The two most important words: *"Thank you."*
The one most important word: "We."
The least important word: *"I"*

HAMFESTS:

JUN 27	FT. McCOY
AUG. 1/2	JACKSONVILLE
SEPT.5/6	MELBOURNE
SEPT. 27	NEW PORT RICHEY
OCT. 4	MAITLAND
OCT. 10/11	TAMPA
OCT. 17	STARKE
OCT.17/18	W.PALM BEACH
NOV. 7	SORRENTO
NOV. 14	TITUSVILLE
NOV. 14	PORT ST. LUCIE
NOV.21/22	TAMPA
DEC. 5	OKEECHOBEE
DEC. 5	OCALA
DEC.12	- LAKE CITY

TITUSVILLE AMATEUR RADIO CLUB
P. O. BOX 73
TITUSVILLE FL 32781-0073

MEMBERSHIP UPDATE

Total membership: 267 (198 regular, 63 family, 6 honorary)

NEW MEMBERS: WA2BX CARL BEAM

RENEWALS:
000000 ANTHONY SINI
N4AWX BRIAN VAN ALSTINE
KC4WZA JANET VAN ALSTINE
KE4BBH JIM PREVATT
KE4HOG NANCIE PREVATT
KE4BBJ CHARLIE PROSSER
KE4BBK ORA PROSSER
KS4BD DARWIN McCOMBS
KD4CBV GEORGE BORTLE
KE4BBL CINDY BORTLE
KE4BBM NICHOLAS SARGENTI
KS4FB TED LARRABEE
KS4DW CLARA LARRABEE
KS4JN RAY HUDSON
KE4KCT CHARLES FROST
KE4MXB BONNIE FROST
KD4JBE HOOT GIBSON
N4MCZ ROD IWAN
KF4QML KEVIN ZIMMERMAN
KB4RBU VERN BAUER
KD4TLR STEVE BIDWELL
KT4UD LEONARD ZBIEGIEN
W4UTU CLAYTON THOMPSON
KC4VVG WALT HART
N4WIN WALT FOSTER
NE4XT BILL DIMEO
KE4HDF ANGIE DIMEO
WBZUY WYNN ROSTEK
WB4ZUZ THERESA VALEK